

Little Devils



Hydraulic Jacks

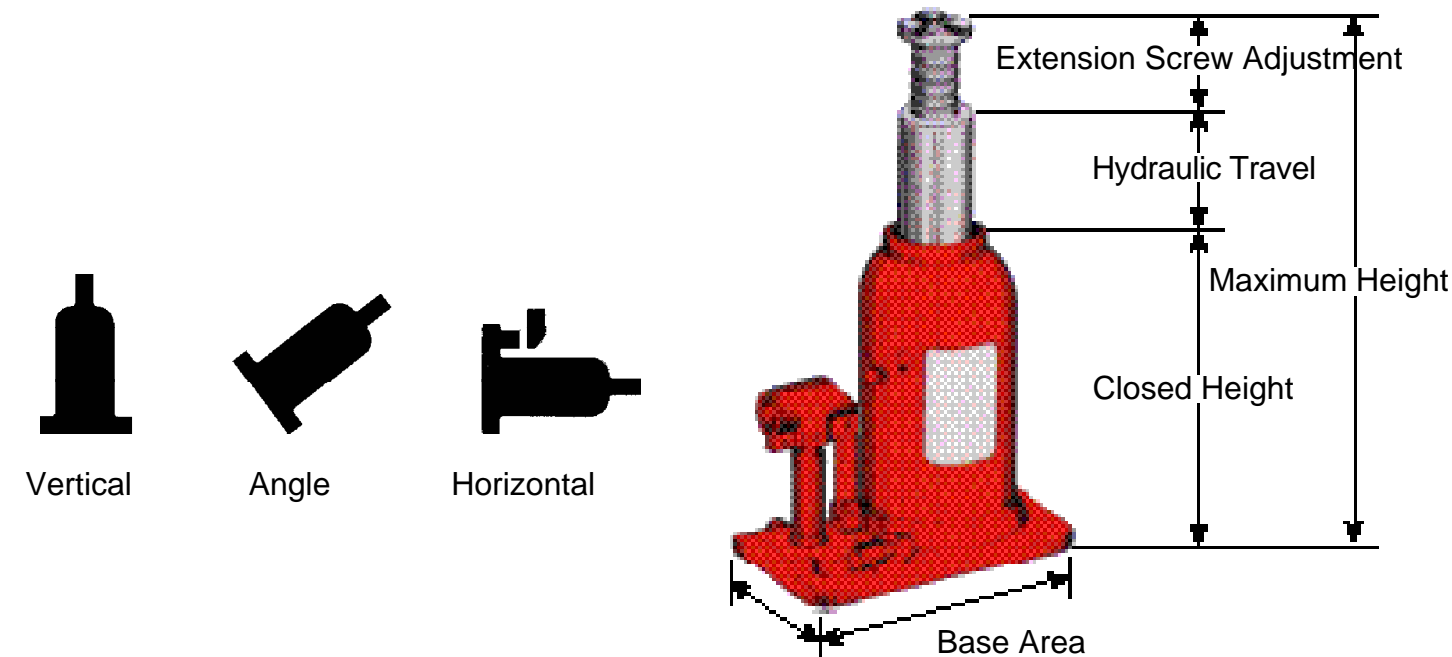
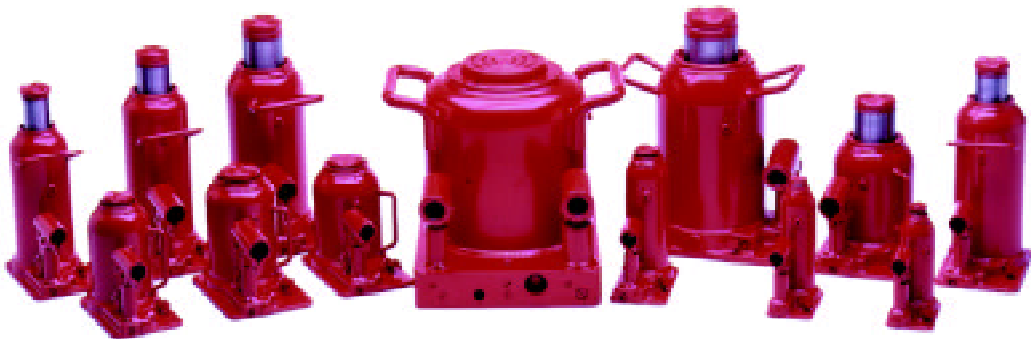
Hydraulic Bottle Jacks

Tested to ASME standards, Duff-Norton hydraulic jacks offer excellent quality construction, practical design and high precision. These qualities have earned them a worldwide reputation for reliability.

Made of welded construction, Duff-Norton hydraulic jacks are light and durable. The unique base forging method increases resistance to high pressure and provides a degree of durability and performance unmatched by competitive products. Duff-Norton hydraulic jacks are used in a wide variety of industrial environments, both indoor and outdoors, as they are not affected by extreme temperatures.

All models can be used in upright, angled and horizontal positions. In addition, all models have common release stem and valve assemblies. Many additional parts are interchangeable between models.

ModelCap. US tons			Closed Height		Hydraulic Travel	
			mm	in	mm	in
Standard Type	HJ0206	2	150	5.9	85	3.3
	HJ0207	2	180	7.1	115	4.5
	HJ0508	5	200	7.9	120	4.7
	HJ1009	10	240	9.5	150	5.9
	HJ1510	15	265	10.4	165	6.5
	HJ2011	20	270	10.6	160	6.3
	HJ5012	50	305	12.0	170	6.7
	HJ10012	100	305	12.0	145	5.7
Short Type	HJ1004	10	100	3.9	35	1.4
	HJ1007	10	170	6.7	95	3.7
	HJ1507	15	170	6.7	90	3.5
	HJ2007	20	180	7.1	85	3.3
	HJ3007	30	180	7.1	80	3.1
	HJ3011	10	280	11.0	160	6.3



When used horizontally, the hydraulic stroke is decreased to 70%.

Extension Screw Adjustment		Maximum Height		Head Size		Base Size		Lever Length		Oil Volume		Weight	
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	kg	lbs
50	2.0	285	11.2	ø25	ø.98	110 x 65	4.3 x 2.6	ø19 x 380	ø.75 x 15.0	40	2.4	2.4	6
50	2.0	345	13.6	ø25	ø.98	110 x 65	4.3 x 2.6	ø19 x 380	ø.75 x 15.0	50	3.1	2.4	6
70	2.8	390	15.4	35X36.5	1.38X1.44	142 x 82	5.6 x 3.2	ø19 x 380	ø.75 x 15.0	150	9.1	4.6	10
80	3.1	470	18.5	45X47	1.77X1.85	166 x 106	6.5 x 4.2	ø22 x 415	ø.85 x 16.3	337	21	7.9	18
80	3.1	510	20.1	51X53	2.00X2.09	180 x 118	7.1 x 4.6	ø22 x 415	ø.85 x 16.3	540	33	10.4	23
—	—	430	16.9	ø52	ø2.05	182 x 128	7.2 x 5.0	ø28 x 548	ø1.07 x 21.6	490	30	12.1	27
—	—	475	18.7	ø80	ø3.15	237 x 188	9.3 x 7.4	ø28 x 1000	ø1.07 x 39.4	1340	82	37.1	82
—	—	450	17.7	ø125	ø4.92	318 x 265	12.5 x 10.4	ø28 x 1000	ø1.07 x 39.4	2940	179	90.7	200
—	—	135	5.3	ø42	ø1.65	166 x 106	6.5 x 4.2	ø22 x 415	ø.85 x 16.3	105	6.4	5.0	11
75	3.0	340	13.4	45X47	1.77X1.85	166 x 106	6.5 x 4.2	ø22 x 415	ø.85 x 16.3	226	14	6.4	14
70	2.8	330	13.0	51X53	2.00X2.09	180 x 118	7.1 x 4.6	ø22 x 415	ø.85 x 16.3	320	20	8.0	18
40	1.6	305	12.0	56.5X58	2.22X2.28	182 x 128	7.2 x 5.0	ø28 x 548	ø1.07 x 21.6	250	15	10.1	22
—	—	260	10.2	ø61	ø2.40	192 x 142	7.6 x 5.6	ø28 x 548	ø1.07 x 21.6	380	23	14.0	31
—	—	440	17.3	ø61	ø2.40	192 x 142	7.6 x 5.6	ø28 x 548	ø1.07 x 21.6	670	41	18.9	42

Ram

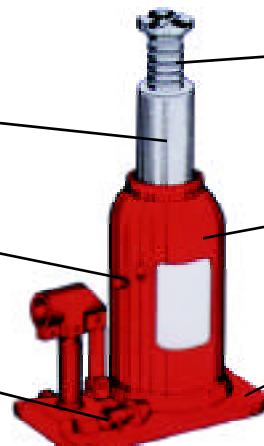
Durable steel treated to prevent rust and corrosion.

Air Outlet Plug

Prevents the accumulation of air inside the tank.

Release Valve

To raise, close tightly and operate the operating lever.



Extension Screw

Can be adjusted to the best position for easy operation.

Housing

Housing cylinder and base are welded for greater strength and sealing.

Base

One piece drop forged base gives maximum strength.

Operating Lever

Allows for ease in raising and lowering jack.

Hydraulic Mini Jacks



Duff-Norton Mini Jacks are compact, powerful jacks designed to be used in low-height applications. Hydraulically actuated, they are used for fine adjustment and centering.

Model	Cap. US tons	Closed Height		Hydraulic Travel		Maximum Height		Head Diameter		Base Diameter		Lever Length		Oil Volume		Weight	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	cu cm	cu in	kg	lbs
HJ0503	5	82	3.2	30	1.2	112	4.4	28	1.10	72	2.8	ø14 x 240	ø.55 x 9.4	48	2.9	2.1	5
HJ1005	10	120	4.7	30	1.2	150	5.9	42	1.65	110	4.3	ø18 x 440	ø.71 x 17.3	77	4.7	5.5	12
HJ2005	20	130	5.1	30	1.2	160	6.3	53	2.09	120	4.7	ø22 x 548	ø.85 x 21.6	110	6.7	8.7	19
HJ5006	50	140	5.5	30	1.2	170	6.7	80	3.15	178	7.0	ø27 x 1000	ø.85 x 39.4	370	23	19.0	42

Hydraulic Toe Jacks



Duff-Norton hydraulic toe jacks are designed for lifting heavy machinery and cargo in plant maintenance, shipbuilding, mining and railroad applications.

Features

- 2, 5, and 10 ton capacities
- Heavy-duty welded steel construction
- Lever socket swivels 180° for operation in any direction.
- Height of tow allows easier access to low height applications
- Internal springs allow for self-retracting of jack under no-load conditions (5 & 10 ton models)
- Light weight, ergonomic handle design allows for ease of transport
- Safety relief valve prevents over-pressure in the cylinder

Model	Capacity US tons	Minimum Toe Height		Hydraulic Travel		Maximum Toe Height		Toe Length x Width	
		mm	in	mm	in	mm	in	mm	in
HTJ0209	2	16	0.63	113	4.4	129	5.1	50 x 50	2.0 x 2.0
HTJ512	5	25	0.98	120	4.7	145	5.7	57 x 75	2.2 x 3.0
HTJ1013	10	28	1.10	145	5.7	173	6.8	60 x 85	2.4 x 3.3

Model	Min. Head Height		Max. Head Height		Head Length x Width		Base Size Width x Length		Lever Length		Oil Volume		Weight	
	mm	in	mm	in	mm	in	mm	in	mm	in	cu cm	cu in	kg	lbs
HTJ0209	235	9.3	348	13.7	85 x 50	3.3 x 2.0	125 x 178	4.9 x 7.0	ø19 x 380	ø.75 x 15.0	110	17	8.1	18
HTJ512	293	11.5	413	16.3	117 x 75	4.6 x 3.0	182 x 270	7.2 x 10.6	ø22 x 415	ø.85 x 16.3	337	21	23.5	52
HTJ1013	325	12.8	470	18.5	145 x 85	5.7 x 3.3	225 x 286	8.9 x 11.3	ø28 x 548	ø1.07 x 21.6	500	31	33.4	73

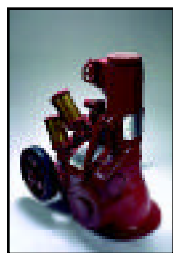
For information about other Duff-Norton jacks



Bell Base
Jack



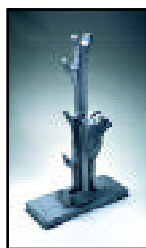
Ratchet
Jack



Air Motor Jack



Bossman Jack



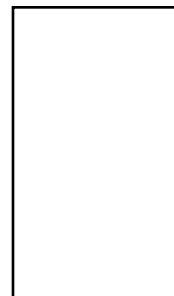
Cable Reel
Jack



Journal
Jack



Track
Jack



Trench
Braces

or other Duff-Norton products,



Mechanical
Actuators



Electromechanical Actuators



Rotary Unions®

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